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DATE MAILED: 11/10/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

2292 7590 11/10/2009 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER

KRISHNAN, GANAPATHY

ART UNIT PAPER NUMBER

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,993	01/11/2006	Hannu Mikkonen	0365-0624PUS1	6390

TITLE OF INVENTION: POLYMER SOLUTION AND DISPERSION AND A PROCESS FOR THE PREPARATION THEREOF

 APPLN. TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEES) DUE
 DATE DUE

 nonprovisional
 NO
 \$1510
 \$300
 \$0
 \$1810
 02/10/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE: shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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PO BOX 747	7590 11/10 ART KOLASCH H, VA 22040-0747		Lbe	Certify that this	ficate of Mailing or Tran	smission g deposited with the United rst class mail in an envelope above, or being facsimile date indicated below.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	/	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,993	01/11/2006		Hannu Mikkonen		0365-0624PUS1	6390
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EXAM		ART UNIT	CLASS-SUBCLASS			
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1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address for Change of Correspondence Address from PIOSB/122) and Landsed. Fee Address' indication (or "Fee Address" Indication form PIOSB/147; and the Company of the			(1) the aames of up to 5 registered patent attorneys cagesto SR, alternatively, (2) the name of a single firm thaving as a member a registered attorney or agents and the names of up to 2 registered patent antenny or agents. If no name is a mane with be primed.			
PLEASE NOTE: Unle recordation as set forth (A) NAME OF ASSIC	ess an assignee is ident n in 37 CFR 3.11. Comp BNEE	ified below, no assignee pletion of this form is NC	data will appear on the p of a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assignee assignment. and STATE OR CO	OUNTRY)	document has been filed for
Please check the appropri	ate assignee category or	categories (will not be p	rinted on the patent):	Individual	poration or other private gi	oup entity Government
4a. The following fee(s) a Issue Fee Publication Fee (N Advance Order - #	o small entity discount j		b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038 i	is attached.	
	SMALL ENTITY state	as. See 37 CFR 1.27.			ENTITY status. See 37 C	
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) will not be accepte ites Patent and Trademarl	ed from anyone other than t k Office.	he applicant; a regist	ered attorney or agent; or t	he assignee or other party ir
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Typed or printed name				Registration No		
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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PO BOX 747		ART UNIT	PAPER NUMBER	
FALLS CHURCH, VA 22040-0747		1623		

DATE MAILED: 11/10/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 230 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 230 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
10/528,993	MIKKONEN ET AL.
Examiner	Art Unit

	Ganapatny Krisinan 1623
All claims being allowable, PROSECUTION ON THE MERITS IS (nerewith (or previously mailed), a Notice of Allowance (PTOL-85)	or other appropriate communication will be mailed in due course. THIS GHTS. This application is subject to withdrawal from issue at the initiative and MPEP 1308.
 M This communication is responsive to the amendment of 6/2 M The allowed claim(s) is/are 1-7,10-14 and 17. 	<u>0.2009</u> .
3. Acknowledgment is made of a claim for foreign priority un a) All b) Some c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents nave International Bureau (PCT Rule 17.2(a)).	been received. been received in Application No uments have been received in this national stage application from the
_	tted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF s reason(s) why the oath or declaration is deficient.
CORRECTED DRAWINGS (as "replacement sheets") must (a)	on's Patent Drawing Review (PTO-948) attached Amendment / Comment or in the Office action of 84(c)) should be written on the drawings in the front (not the back) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	
Attachment(s)	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other
	/Shaojia Anna Jiang/ Supervisory Patent Examiner, Art Unit 1623

Application/Control Number: 10/528,993 Page 2

Art Unit: 1623

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

1. The rejection of Claims 1-8 under 35 U.S.C. 112, first paragraph, because the

specification, while being enabling for polymer dispersion containing cellulose acetate and starch

acetate and a method of preparing the said dispersion, does not reasonably provide enablement

for a dispersion containing any hydrophobic polysaccharide and its method preparation, has been

overcome in view of Applicants' amendments. The amended claims (see amendment of

6/26/2009) are now drawn to cellulose acetate and starch acetate as the specifc hydrophobic

carbohydrates for which enablement is seen in the instant specification.

2. The rejection of Claims 15-16 on the ground of nonstatutory obviousness-type double

patenting as being unpatentable over claims 1-2, 13, 15 and 19 of U.S. Patent No. 6,780,903

('903) has been rendered moot by cancellation of the claims. Amended claim 17 is now a

product claim which is not obvious over claims 1-2, 13, 15 and 19 of the '903 patent since it is

drawn to the use of a specific percentage of the nonobvious alkenyl succinic anhydride or the

alkenyl succinate as the plasticizer. The Declaration of Dr. Peltonen also shows that in the

process of the closest prior art, Yoshioki et al, replacement of octenyl succinic anhydride with

succinic anhydride does not form a dispersion as instantly claimed.

Any comments considered necessary by the applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Art Unit: 1623

Any inquiry concerning this communication should be directed to Shaojia A. Jiang,

Supervisory Patent Examiner in Art Unit 1623 at 571-272-0627.

/Ganapathy Krishnan/ Examiner, Art Unit 1623

/Shaojia Anna Jiang/ Supervisory Patent Examiner, Art Unit 1623